

```

Oy 2556 TGACGCAATTCATGAAGTTTACAAAGCTACGAGCCCTGACCAAGAAATG 2615
Db 2113 GCGCAGGGGATCCCGCTTATCCGTACGATCAGCGCGACAGCTGATCGAGGCC 2172
Oy 2616 TACCTGTCTGACATGATGTCGACGATGAACCGAATGCTTTCTCAAAAATGGCCAT 2675
Db 2173 TTGAGCTCTGCGCGAAATGAAATGACGCGATCAGCTGCGACGCGCAATCAAG 2232
Oy 2676 CGCAAAATGTAACGCTGACCTATGATGACCTGCAAGGCGCGTCACTGACGTCTGTTA 2735
Db 2233 GGGAGGATGGAATATGAACTGAGAACTGAGGCGCGGATTTGGGCAACATGATC 2232
Oy 2736 ACGGCTATGTCGCAAGGATCCGTTGCTGATCCCTGCGCAACGCTTAAACAAAGTATT 2795
Db 2293 CTCCCTATATCGCGGGGCTTCCTGCTGATGCGGAGATGATCAACGAGAAAGC 2352
Oy 2796 GTGAATACCTCAAGTTTGGC 2817
Db 2353 CGGGCGGTCTCGATTTTCTGC 2374

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RESULT 8

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US-09-252-991A-1091
; Sequence 1091, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1091
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1091

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Query Match

8.8%; Score 260; DB 4; Length 609;

Best Local Similarity 67.6%; Pred. No. 3.2e-76;

Matches 381; Conservative 0; Mismatches 180; Indels 3; Gaps 1;

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Oy 10 ATGAGCATTAAGTGTGCAAAATGATGATGCGAGATGCTGAACAACAGGATGATGAG 69
Db 43 ATGACCATTAATGAGCAATGATGATGCGCATGCTCGAGACAGCGCATGATGAG 102
Oy 70 CCGTTTGAAGCCCAAGTGTGATGATGAGCAATGAGCCAGAGATTTGTTTATGCAACC 129
Db 103 CCGTTTGAAGCCCAAGTGTGATGATGAGCAATGAGCCAGAGATTTGTTTATGCAACC 162
Oy 130 TCTTTCTTAAGGTTAAGATATCGTTGTGATGAGCAATTCGCGATTTTACCAATATAC 189
Db 163 TCCAGCTACGCTACGAGCTGCTGCGCGCCGCGAGTTCAAGAGTTTCAACCAATCAT 222
Oy 190 AGACCATATGTTGACCCCAAGCAATTTGACCCGAGTCTGTTGCGAGTCTCGGCAAA 249
Db 223 TCGCGGATGATGATGCGCAAACTTTCAGAGAAAGCTTGTGACATCAACAGGAC 282
Oy 250 GGGTATGCGTATGCGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCT 309
Db 283 GTC---TGCATCATCCGCGCGAATCTCTGCGCGCGCGCGCGCGCGCGCGCGCGCG 339
Oy 310 ATTCTGCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 369
Db 340 ATCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 399
Oy 370 ATGTCAAGTCAACCCCTTTGAACCAAGTGGAGAGGCTATGTCACACTGATGATGAC 429

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Db 400 ATGTCAAGTCAACCTCTGCGTGGAGCCGAGTGGAGGCGCATGTGACCTTGGATTTCC 459
Oy 430 AACACCAACCGCTTACCGCCCAAAATTTATGCTGGGGAAGGCTGTGCGCAAGTCTGTC 489
Db 460 AATACCAACCACTGCGCGGGAAGATCTACCGCAAGAGGCGTGGGCGAGATGCTTTC 519
Oy 490 TTGAGTGTGATGAATCTGTGAACGAGCTACAAAGCCGTGTGATTAATACAGGGT 549
Db 520 CTCAATCTCAGCAGGCGCTGCGAAGTGTCTTATTAAGAGACGCTGCGCAAAATACAGGGC 579
Oy 550 CAATTTGGGCGTGAACCTTGGCAAAA 573
Db 580 CAGCGCGCGCTGACCTTGGCAAAA 603

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RESULT 9

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US-08-849-212-5
; Sequence 5, Application US/08849212
; Patent No. 5827698
; GENERAL INFORMATION:
; APPLICANT: KIRUCHI, YOSHIMI
; APPLICANT: SUZUKI, TOMOKO
; APPLICANT: KOJIMA, HIROYUKI
; TITLE OF INVENTION: NOVEL LYSINE DECARBOXYLASE GENE AND
; METHOD OF PRODUCING L-LYSINE
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 SOUTH JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/849,212
; FILING DATE: 09-JUN-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6/306386
; FILING DATE: 09-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-856-0PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Escherichia coli
; STRAIN: CS520
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2145
; US-08-849-212-5

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Query Match

8.6%; Score 254.8; DB 1; Length 2145;

Best Local Similarity 51.1%; Pred. No. 5.1e-74;

